



Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject: Region 6 Update # 15
Deepwater Horizon Incident, Gulf of Mexico
Date: May 12, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 11, 2010 2401 – May 11, 2010 2400
Reporting Period: May 11, 2010 2401 – May 12, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	FPN#:	N10036
Mobilization Date:	4/27/2010	Start Date:	4/28/2010

2. Current Situation

- Incident Status Summary as reported by BP for operational period 5/11 06:00 – 5/12 06:00
 - An estimated total of 97,000 barrels of oil released to date; estimated 5,000 barrels released during this operational period.
 - A total of 364,620 feet (69 miles) of boom deployed to date; 39,050 feet deployed during this operational period.
 - A total of 436,246 gallons of dispersant has been applied (subsea and surface); 7940 gallons were applied during this operational period.

2.1 (USCG) Incident Command Post (Houma, LA)

- On 5/11, there were no dispersing operations, aerial or otherwise. Dispersant aircraft have been grounded due to safety concerns raised by the state of Louisiana. No boat dispersant tests were conducted.
- On 5/12, LDEQ re-authorized the application of decreased volumes of aerial dispersant on non-weathered oil (only).
- On 5/11 continued coordination with LDEQ, Region 6, Region 4 and BP on Waste Management Plan. Participated in conference call with Region 6, Region 4 and EPA HQ to align waste management plants across regions.
- BP Contractors collected samples of source oil for analysis at EPA Houston Laboratory. The sample will be couriered to Houston on 5/12. The weathered oil samples will be collected during next BP Rapid Assessment Team sampling trip on 5/12.

- Coordinated with OSHA and ERT to establish a plan for air sampling and air monitoring of aerial dispersants.
- Gathered information on dispersants being used during aerial dispersant application and the dispersant plans.
- Shared data through SCRIBE to Environmental Standards Inc, the BP analytical management contractor.
- Posted all TAGA, ASPECT, air and water sampling and air and water monitoring data to NOAA FTP site.
- Lisa Pham attended “Train the Trainer” training in Mandeville, LA.

2.2 (USCG) Area Command Post (Robert, LA)

- The Area Command Environmental Unit leadership continues to coordinate overall strategies for monitoring subsurface dispersed oil plumes.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
 - Venice, LA - 29.25274 N, 89.35750 W - V02;
 - Boothville, LA - 29.31449 N, 89.38433 W - V03;
 - Fort Jackson, LA – 29.35699 N, 89.45487 W – V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA – 29.86609, -89.89108 – C02 - located at Fire Station number 8;
 - Hopedale, LA – 29.82209, -89.60862 – C03 - located at the Emergency Operations Center;
 - Chalmette, LA - 29.96082, -90.00132 - C04 – located at FireStation on Aycock St.
- Each air monitoring location has 5 pieces of air equipment:
 - DataRAM - monitoring particulate matter PM10
 - EBAM (Particulate Monitors)-equipment will replace DataRAM's (EBAMS are currently being tested before DataRams are shut off);
 - AreaRae - monitoring VOCs;
 - PQ200 - samples for PM2.5;
 - SUMMA Canisters per location - sample for VOCs.
- All air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at Area Command Post in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters.
- Chalmette reported no exceedences on 5/11, for VOCs or Particulates (PM10)
- Venice air operations reported action level (0.5 ppm) exceedences for H2S at station V02 and V05. The highest H2S hourly average was 4.452 ppm at station V05 and 0.76 at station V02. H2S exceedences at V05 resulted from equipment malfunction, equipment will be replaced immediately. Additional action level (150 ug/m3) exceedences were reported at station V03 for PM10 the highest hourly average at that station was 165.013 ug/m3.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/11
Venice	3 locs/24-hr	3 locs/24-hr	6	3	9
Chalmette	2 locs/24-hr	3 locs/24-hr	6	3	9
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	158	66	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water and sediment sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.
- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
- On 5/11, the Chalmette water operation team continued operations in the Terrebonne Bay (SE Terrebonne Parish) area to collect water and sediment samples from four (4) locations.
- On 5/11, oil was observed visually and odors were noted. Team reported a light sheen on the water in Terrebonne Bay. GPS coordinates for the sheens: 29.20403 N, 90.40278 W. long finger of sheen as far as line of site permitted ½ mile wide and 29.16747 N, 90.48008 W. long finger of sheen as far as line of site permitted 1 mile wide.
- Venice did not conduct water operations on 5/11-5/12.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/11
Venice	0	0	0
Chalmette	4	4	8
TOTAL TO DATE	62	55	

*QAQC samples not included in sample count

2.5 TAGA

- TAGA 1553 and TAGA 1554 have been requested to stand down until 5/17/10.
- TAGAs will be stored at US EPA Gulf Program Office of Water on the Stennis NASA Facility in Bay St. Louis, MS. US EPA Gulf Program Office of Water has secured power, secure location, cylinder/chemical storage/delivery area and basic facilities for the TAGAs and crew.

2.6 ASPECT

- On 5/11, No ASPECT missions were flown.

2.7 Water Quality Protection Division Update

- Water Quality Protection Division situation update is attached.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

Personnel	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
EPA								
- OSC	2	1		1		1		6
- RSC	10		1	1				7
- PIO			3					3
- Other	4		2	1	1			8
START	5	11				16		38
ERT Contractor		1						1
TAGA Personnel							5	5
ASPECT Personnel							4	4
Other								
TOTALS	16	13	6	3	1	18	9	72

Deployed Equipment

Equipment	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
Mobile Command Post		1						1
ASPECT							1	1
TAGA Bus							2	2
LRV			1			1		2
Gooseneck Trailer		1						1
20 KW Generator		1						1

May 12, 2010

1400CST

4. Daily Cost Estimates

DEEPWATER HORIZON INCIDENT (FPN N10036)								
Sitrep - Region 6 Daily Cost Estimates								
12-May-2010								
	Est. Personnel Cost	Est. Travel Cost	Est.Contracts/Purchase Spent	Total Est. Cost/Spent	Total Contract/Purchase Oblig.	TOTAL USCG PRFA Ceiling	Balance	Est. Daily Burn Rate
USCG PRFA FPN N10036								
\$5,000,000 Total								
\$1,000,000 4/28/10								
\$4,000,000 5/05/10	\$198,200	\$58,003	\$1,456,000	\$1,712,203	\$3,003,713	\$4,420,084	\$2,707,881	\$137,100
TOTAL EPA FUNDED	\$198,200	\$58,003	\$1,456,000	\$1,712,203	\$3,003,713	\$4,420,084	\$2,707,881	\$137,100
Region 6 Indirect Rate 13.12%						\$579,916		
Louisiana Total	\$198,200	\$58,003	\$1,456,000	\$1,712,203	\$3,003,713	\$5,000,000	\$2,707,881	\$137,100
Balance based on authorized direct ceiling minus total estimated Cost/Spent								

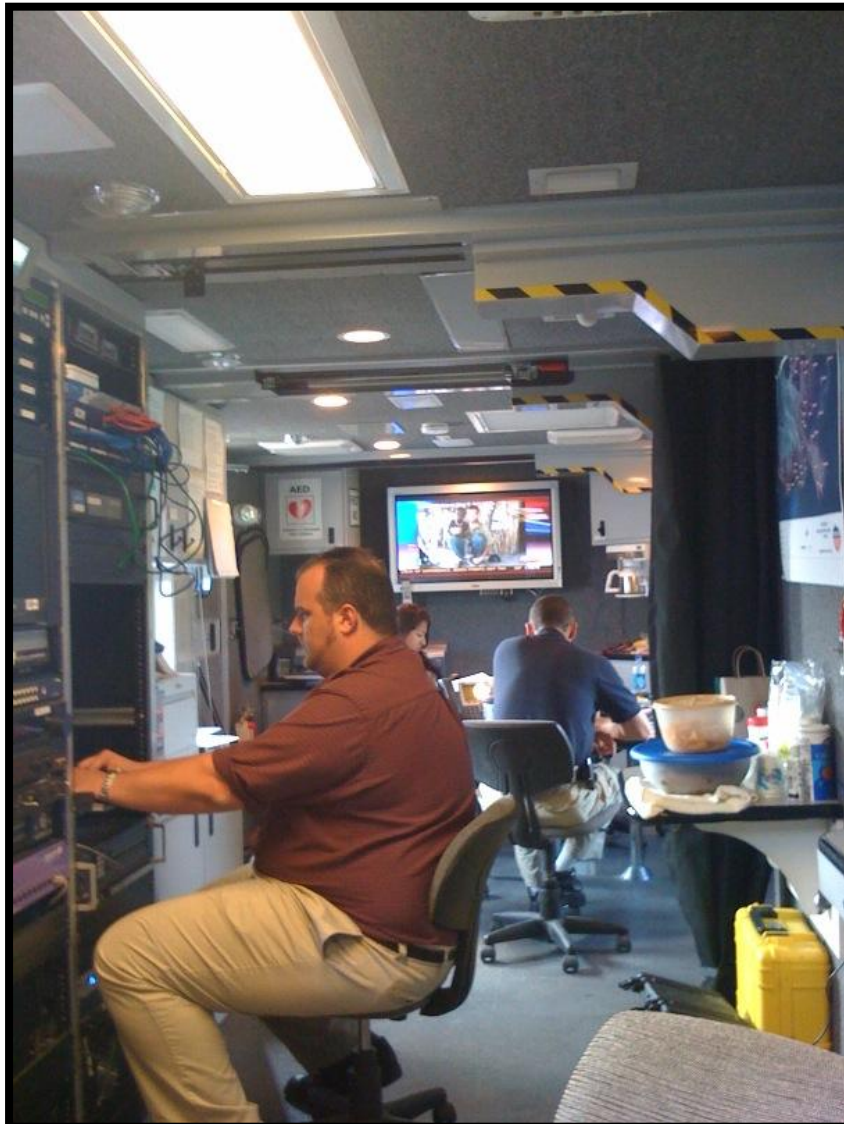
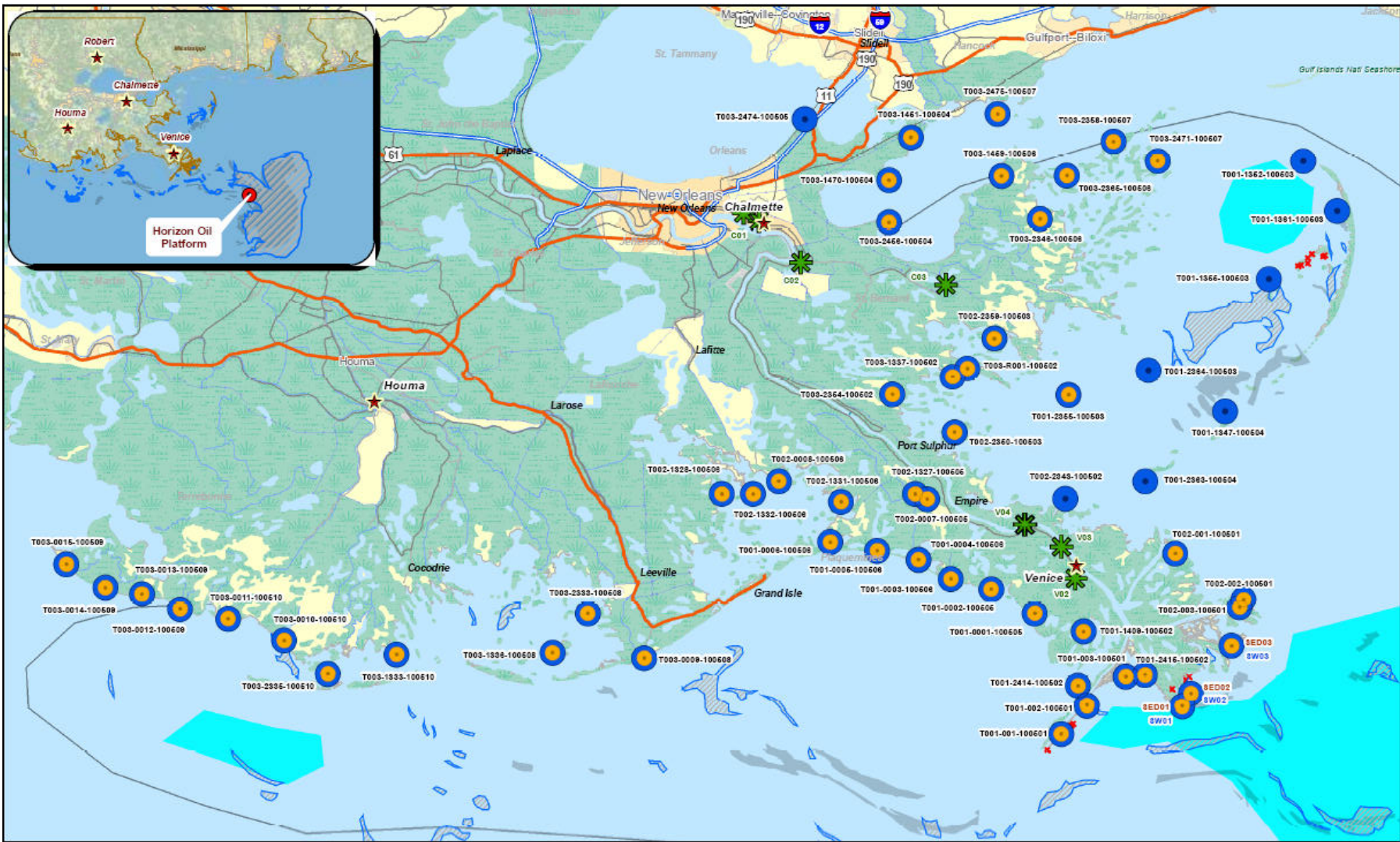


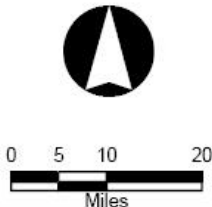
Figure 1 – EPA Region 6 Mobile Command Post deployed in Venice, LA.


Monitoring/Sampling Locations Map



Legend

- ★ Asset Location
- ★ Beached_20100512_1800CDT_20100511_2000CDT
- FORECASTHEAVY
- FORECASTMEDIUM
- FORECASTLIGHT
- FORECASTUNCERTAINTY
- uncer_20100512_1800CDT_20100511_2000CDT
- Sediment
- Surface Water
- Air
- Current GLAR data (5/11/2010 11:00 CDT)
- Oil Spill Extent on 5/11/2010 15:00



 US EPA REGION 6 START-3 (For Official Use Only)		
Sampling Locations Map		
Date Created: 5/12/2010	DCN: P560	SCALE:

Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

Estimate for: 1800 CDT, Thursday 5/13/10

Date Prepared: 2000 CDT, Tuesday 5/11/10

This forecast is based on the NWS spot forecast from Tuesday, May 11 PM. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, Texas A&M/TGLO, NAVO/NRL) and HFR measurements. The model was initialized from Tuesday satellite/aerial imagery analysis (NOAA/NESDIS and Transport Canada) and overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.

